Compute the worst Case Time Complexity of the traversal methods added to Tinked Simple Tree 280<I>: Exercise 1: print the nodes to pre-order traversal: pre-order => noot, left, right depth frist, pre-order traversal: A, B, D, H, I, E, J, K,> begins at rost Lepth First PreOrder (Node cur) & print ou. item () if (an. has Left Child ())
depth List Pre Order (an. left Child) worst case = 5 statements if (au has Right Child ())
depthisist Pre Order (au injet Child hest oave = 3 statements T is constant, O (F. k) = O(n) 3 Exercise 2: dn-order traversal: in -order => left, root, right depth first, in-order traversal: H, D, I, B, J, E, K, A, F, C, G stregins at root if (au. has left Child ())

depth First dn Order (au. left Child) print au item () if (an. has Right Child())
depth First clu Order (an. right Child) word use = 5 statements best case = 3 statements T is constant, O(F. b) = O(k) = O(n)



